

Data Profiling- Input Data Completeness

SI No	Criteria	Count	Percentage of Total Records taken for Processing.	Zycus Comments/Remarks
1	Total No of records for processing	729963	100.00	
2	Records where description is not present	3159	0.43	
3	Records where Input Mfr.name is present explicitly.	648750	88.87	No Clean up of Mfr Names as part of Duplicates estimation.
4	Records where Vendor name is present explicitly.	700425	95.95	No Clean up of Vendor Names as part of Duplicates estimation.
5	Records where Vendor Item Number is present explicitly.	619293	84.84	No Normalization/standardization of Part Numbers.
6	Records where Mfr Part Number is present explicitly.	0	0.00	No such field exists in the Input data
7	Records where both Vendor Name & Vendor Item Number are present	617179	84.55	
8	Records where both Mfr. Name & Vendor Item Number are present	577222	79.08	
9	Records where Mfr. Name, Vendor Name as well as Vendor Item Number are present	575270	78.81	

Data Profiling

Broad Category	No Of records in Category	Duplicates in the Category	Duplicate percentage in category
Switches and controls and relays and accessories	57181	27684	48.41%
Bearings	55541	29795	53.65%
Valves	32986	11197	33.94%
Kinetic power transmission	28541	13883	48.64%
Drive components	27219	16001	58.79%
Sprockets	24549	8952	36.47%
Circuit protection devices and accessories	21829	11583	53.06%
Seals	20990	10845	51.67%
Pipe fittings	18430	7403	40.17%
Lugs connectors and terminals	14968	7615	50.88%
Bushings	14791	6063	40.99%
Gaskets	14787	5987	40.49%
Motors	13859	7228	52.15%
Cutting and crimping and punching tools	13242	4850	36.63%
Pneumatic cylinders and components	11858	6461	54.49%

Plant	Description	Mfr Name	Norm mfr Name	Vendor Item No	Norm MPN	Vendor Name	Norm vendor Name
Plant A	"TROUGH, WATER" NAME: ASSORTED PART TYPE: BOTTLE SIZE: N/A COMP: PLASTIC DESC: WATER TROUGH MIN:2 MAX:4 07B013	CYKLOPS	CYKLOP INTERNATIONAL	23210000	23210000	XPEDX	XPEDX
Plant B	CYKLOP TROUGH FOR CET-201 TAPE DISPENSER NAME: ASSORTED PART TYPE: TANK/RESERVOIR SIZE: N/A COMP: N/A DESC: WATER TROUGH FOR CET-201 TAPE DISPENSER	CYKLOP STRAPPING CORP	CYKLOP INTERNATIONAL	23210000	23210000	TAPE DISPENSERS NORTHWEST	TAPE DISPENSERS NORTHWEST
Plant C	THROUGH,WATER	CYKLOP	CYKLOP INTERNATIONAL	23210000	23210000	WURZBURG INC	WURZBURG INC
Plant A	TROUGH, WATER NAME: TROUGH, TYPE: WATER SIZE: 23210000 COMP: PLASTIC DESC: WATER TROUGH	CYKLOP STRAPPING SYSTEMS	CYKLOP INTERNATIONAL	23210000	23210000	MORRISETTE PAPER	MORRISETTE PAPER

Same item varied descriptions in different plants

Same supplier described in multiple ways

- Increase cross-plant Inventory visibility & sharing
- Optimize Inventory Levels
- Aggregate demand, enjoy Strategic Sourcing benefits

Zycus Attribute Extraction								
SHORT NAME	TYPE	INSIDE DIAMETER	OUTSIDE DIAMETER	WIDTH	ADDITIONAL INFO	MFR NAME	MFR PART NUMBER	STANDARDIZED LONG DESCRIPTION
BEARING,BALL	DEEP GROOVE	35MM	72MM	17MM	ONE SHIELD	FAFNIR	207KD	BEARING,BALL,DEEP GROOVE,35MM ID,72MM OD,17MM WD,ONE SHIELD
BEARING,BALL	DEEP GROOVE	35MM	80MM	21MM	ONE SHIELD WITH SNAP RING			BEARING,BALL,DEEP GROOVE,35MM ID,80MM OD,21MM WD,ONE SHIELD WITH SNAP RING
BEARING,BALL	DEEP GROOVE	30MM	62MM	16MM	WITH SNAP RING	FAFNIR	206KG	BEARING,BALL,DEEP GROOVE,30MM ID,62MM OD,16MM WD,WITH SNAP RING
BEARING,BALL	DEEP GROOVE	30MM	62MM	16MM	TWO SHIELD	SKF	62062Z	BEARING,BALL,DEEP GROOVE,30MM ID,62MM OD,16MM WD,TWO SHIELD
BEARING,BALL	DEEP GROOVE	25MM	62MM	17MM		SKF	6305	BEARING,BALL,DEEP GROOVE,25MM ID,62MM OD,17MM WD
BEARING,BALL	DEEP GROOVE	60MM	130MM	31MM	TWO SHIELD	SKF	63122Z	BEARING,BALL,DEEP GROOVE,80MM ID,130MM OD,31MM WD,TWO SHIELD

Records in 'Blue' font indicate duplicates.

■ Indicates Attribute Extracted from Web

Seemingly discreet parts sourced from different suppliers after attribute enrichment are found to be duplicates

- Design engineers can search for substitute parts
- Increases the Search efficiency of Plant Maintenance officials
- Promotes Parts reuse
- Scope for Demand aggregation and subsequent Strategic Sourcing benefits
- Reduce Obsolescence
- Reduce Part Proliferation